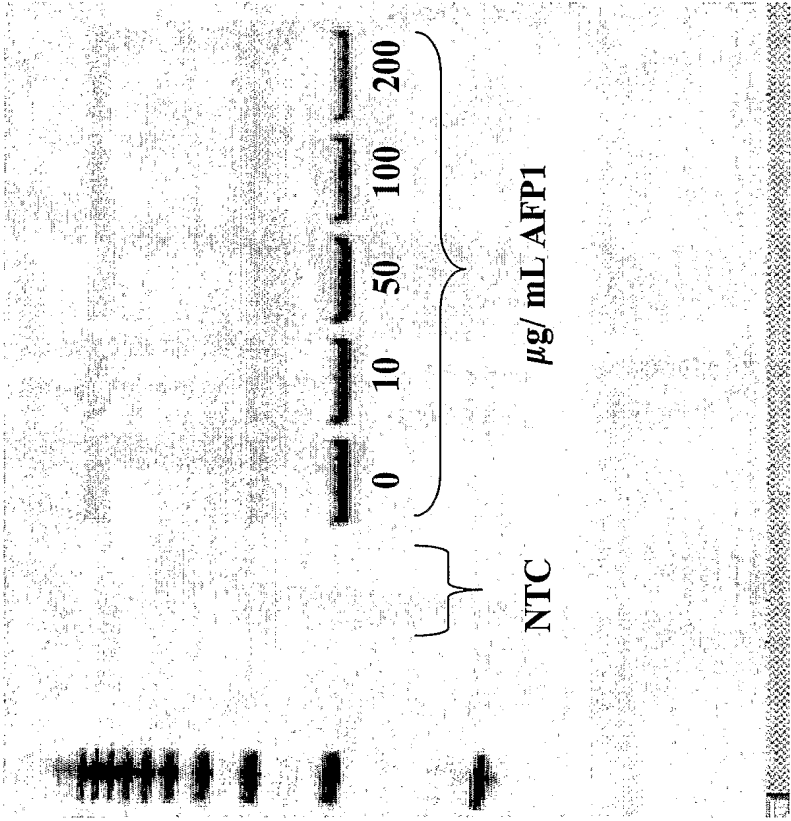


# Real-Time PCR Titration with AFP1



50ug/mL AFP1 is the highest concentration that does not affect product yield.

Fig.1

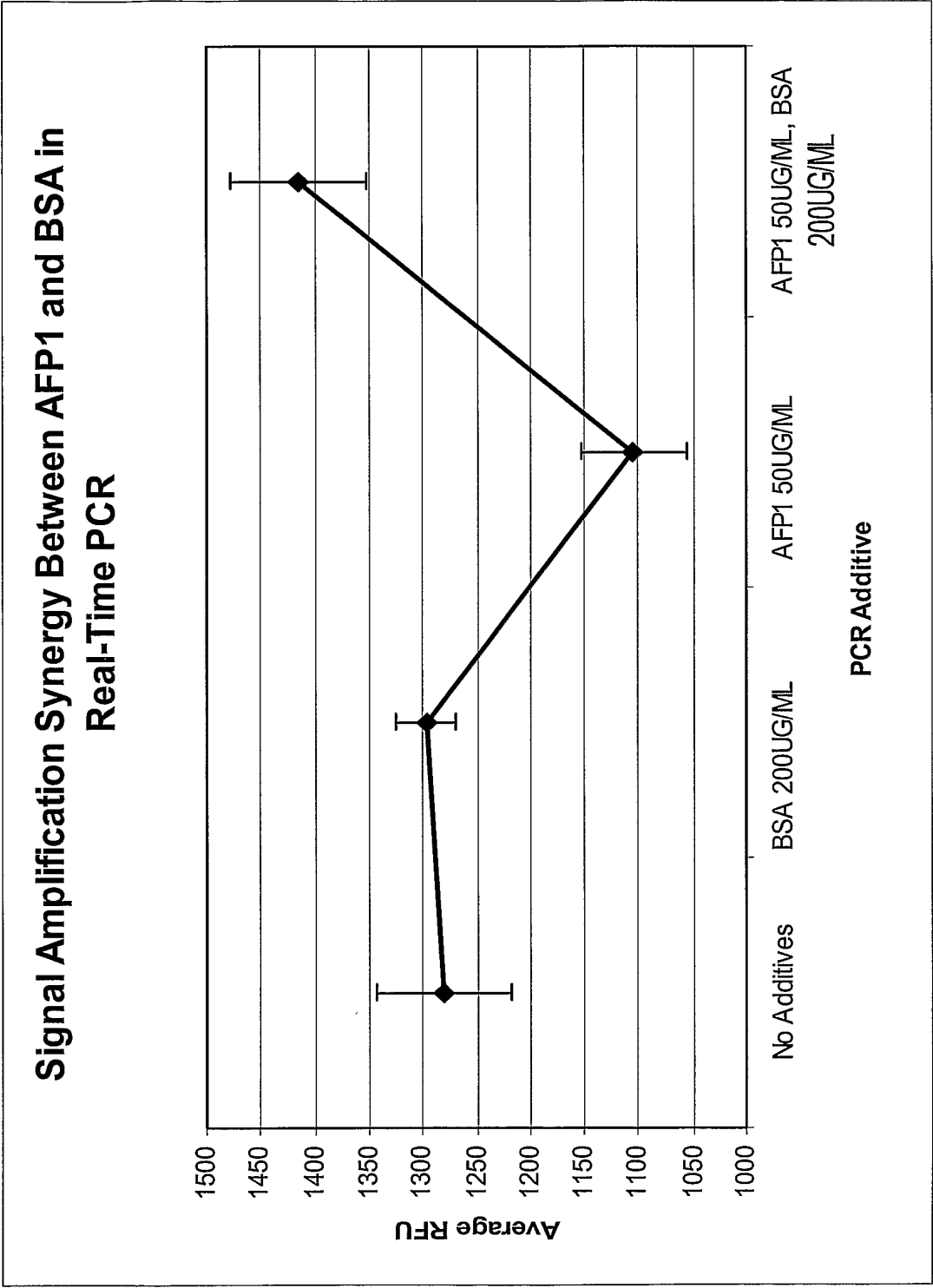


Fig. 2A

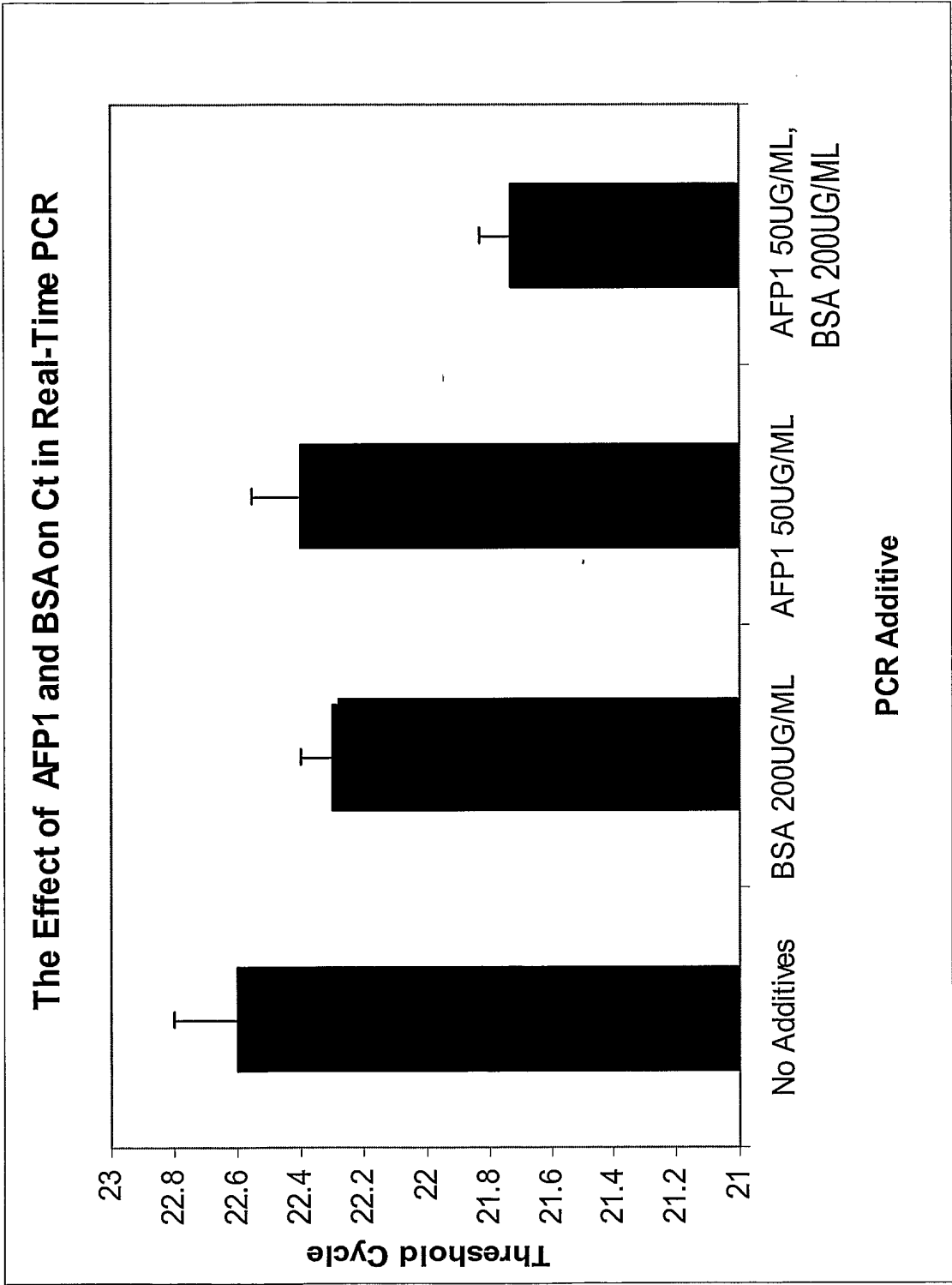


Fig. 2B

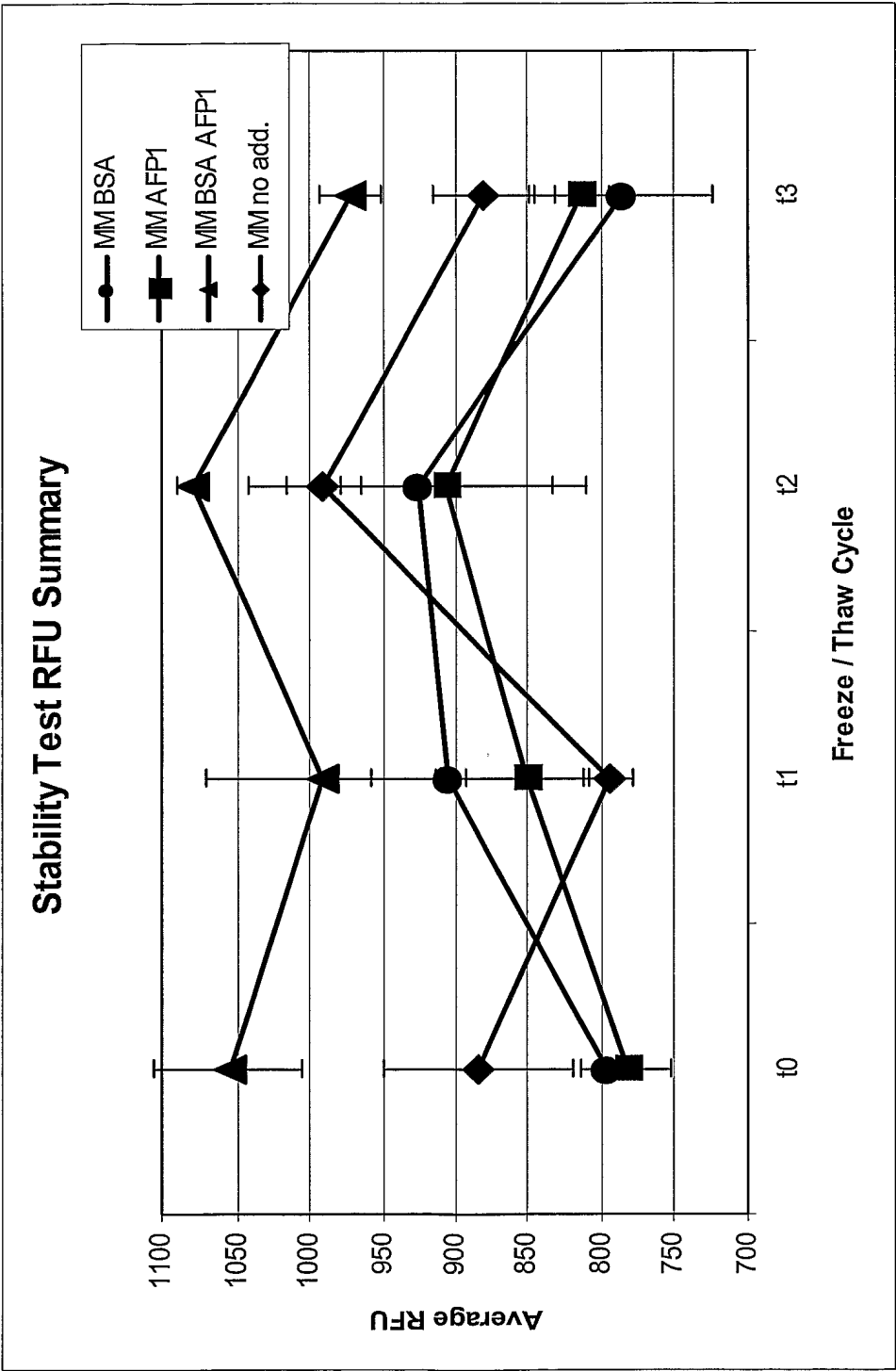


Fig. 3A

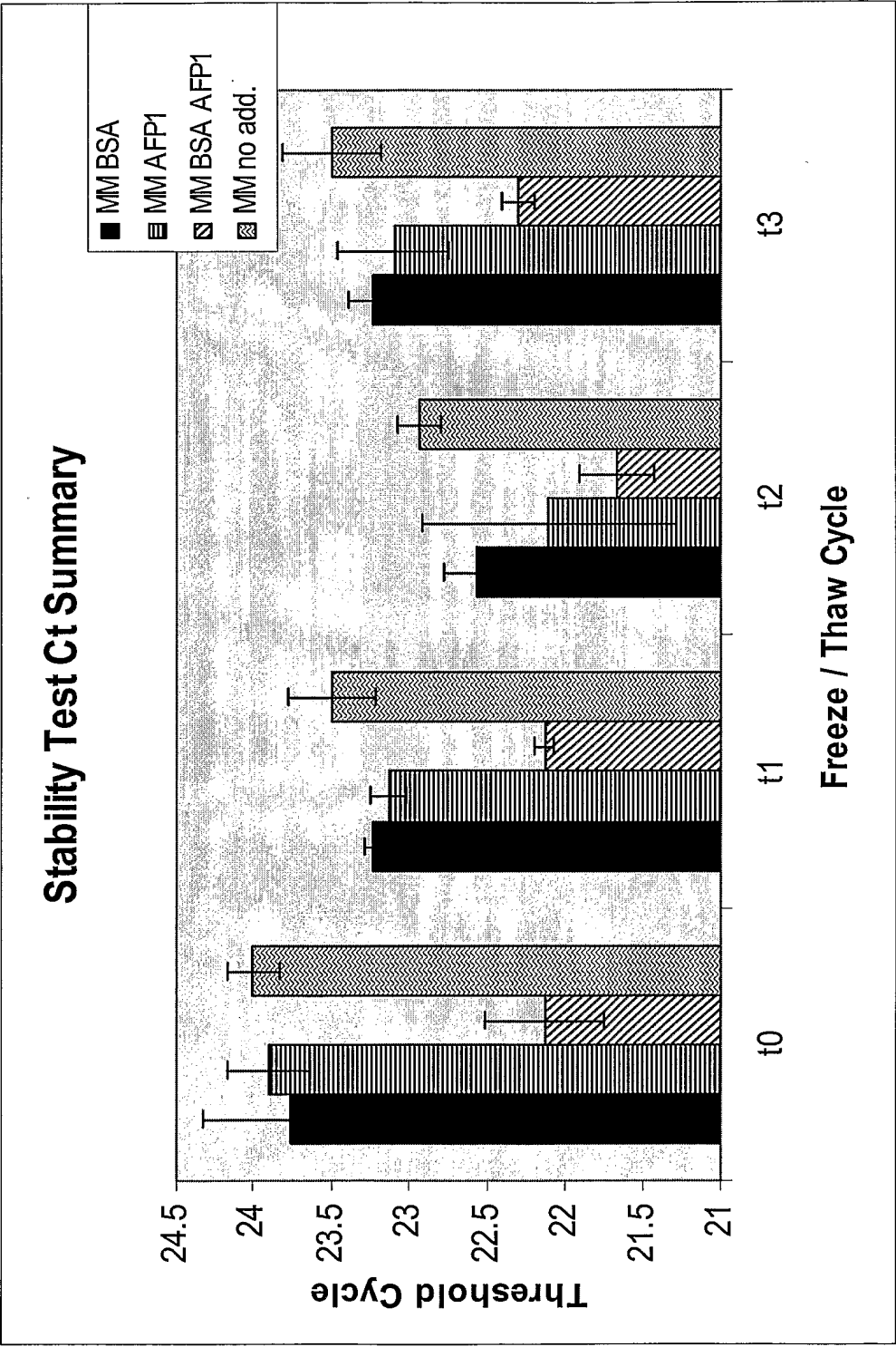


Fig. 3B

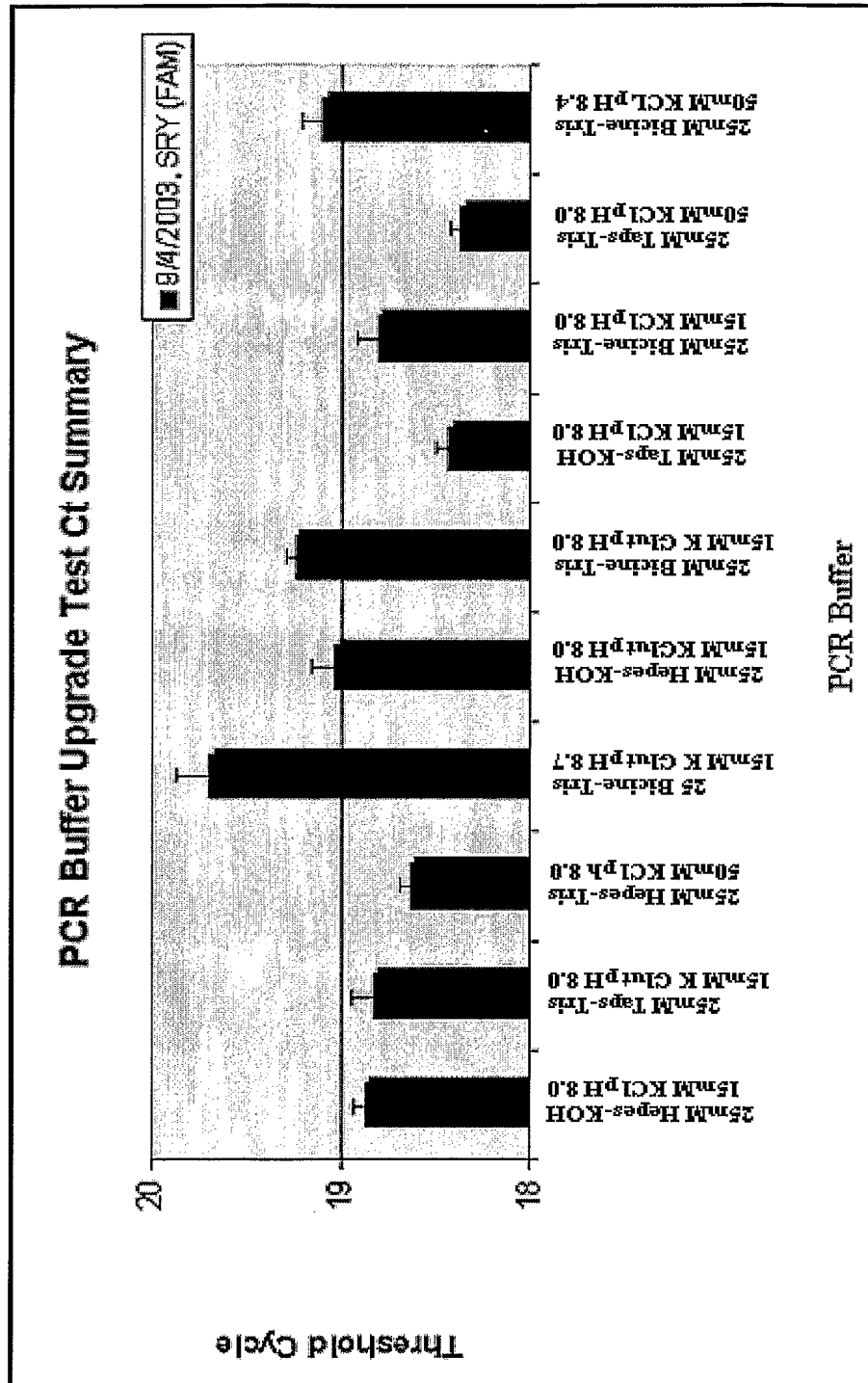


Fig. 4A

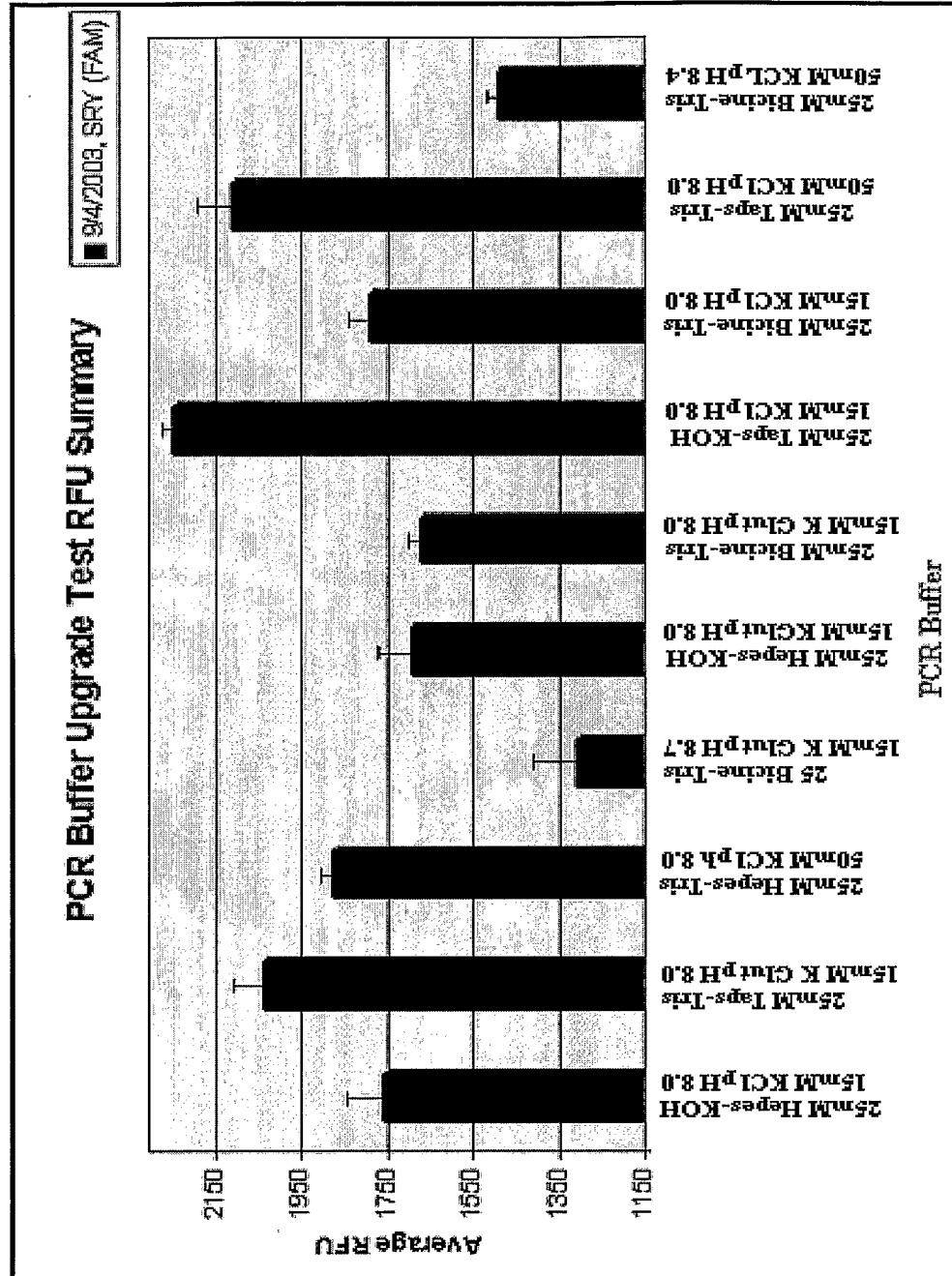


Fig. 4B

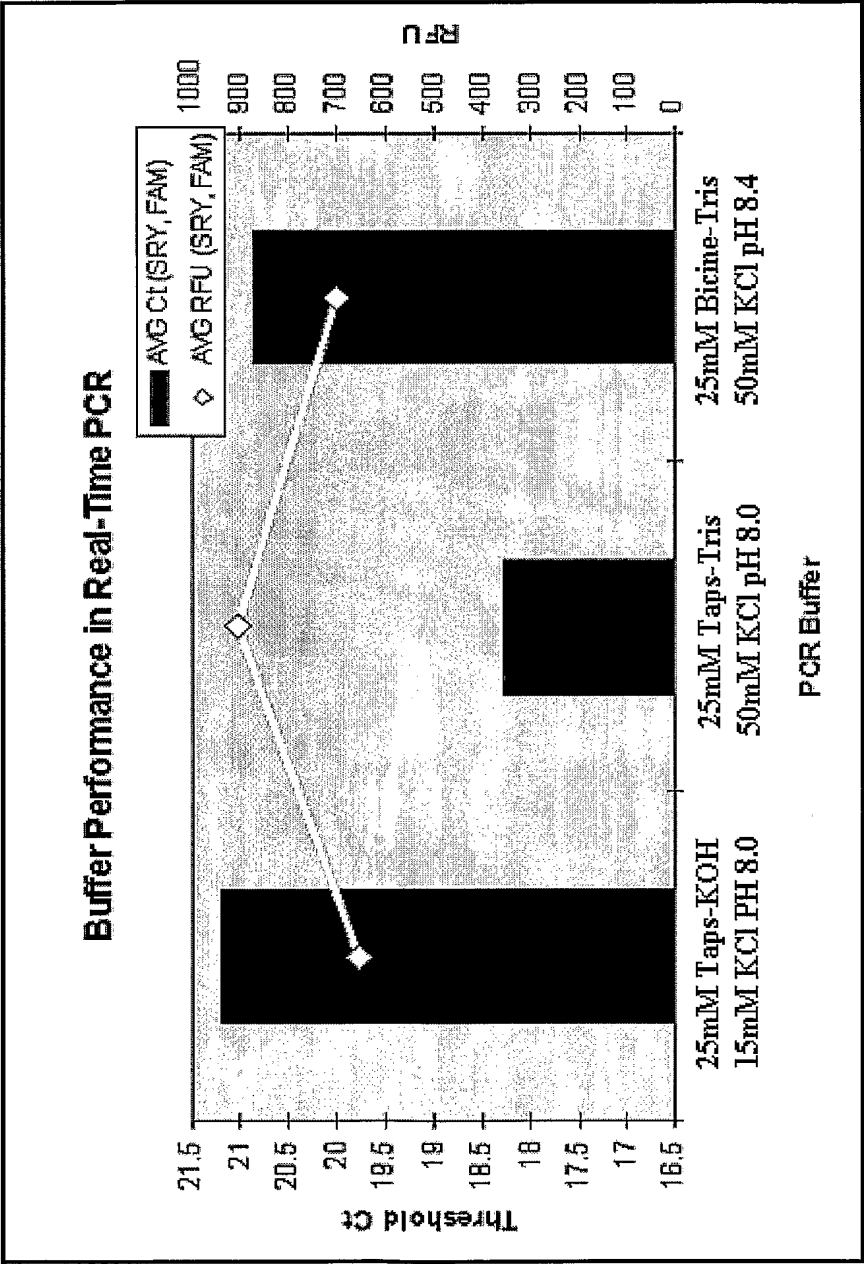


Fig. 5

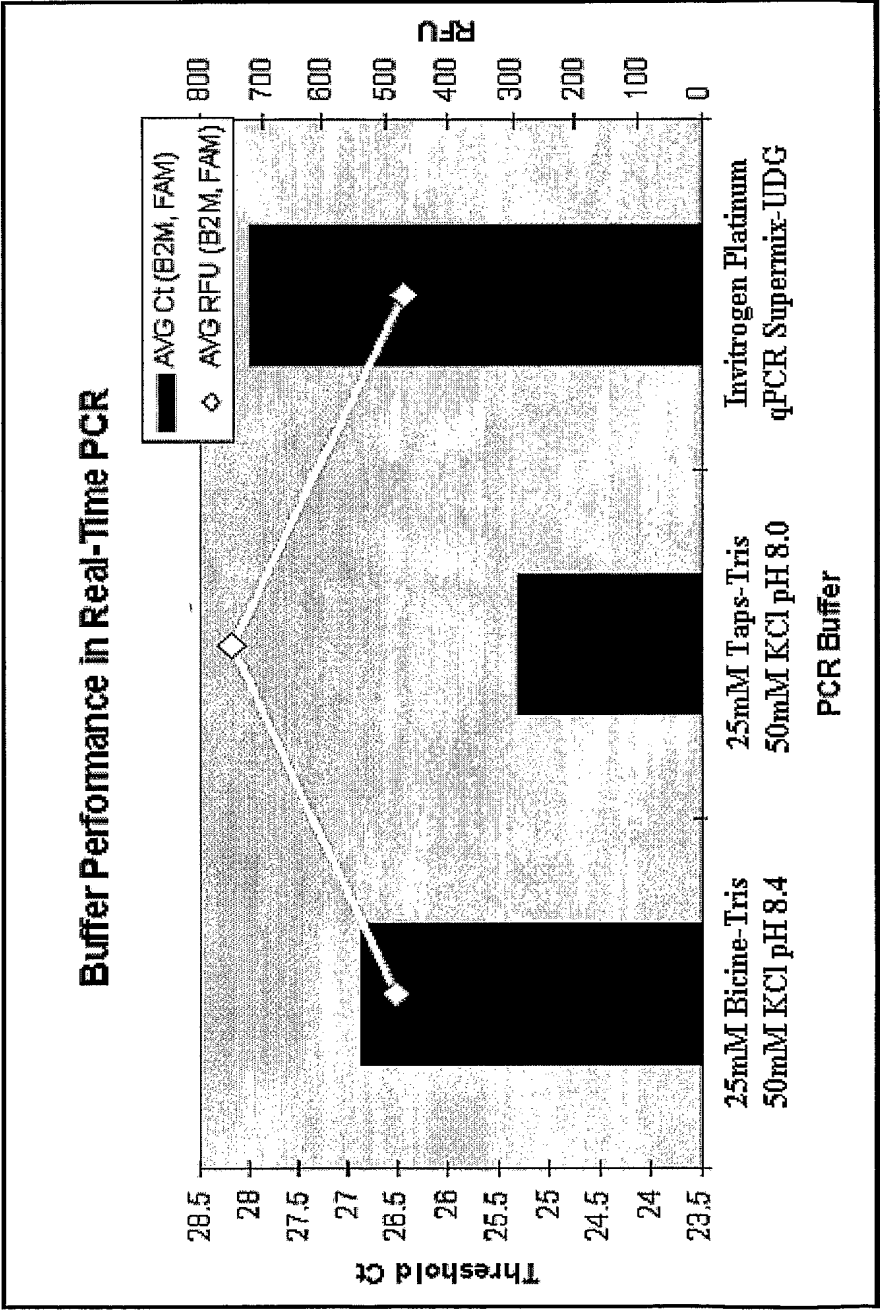


Fig. 6

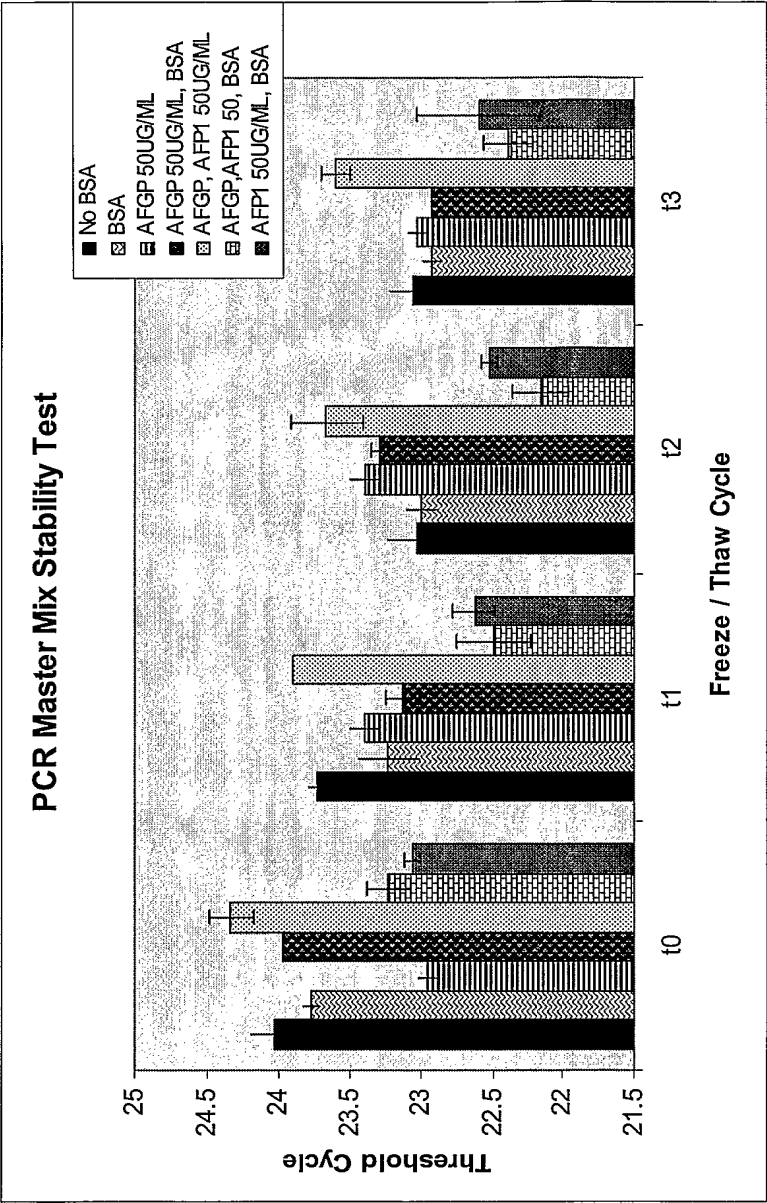


Fig. 7

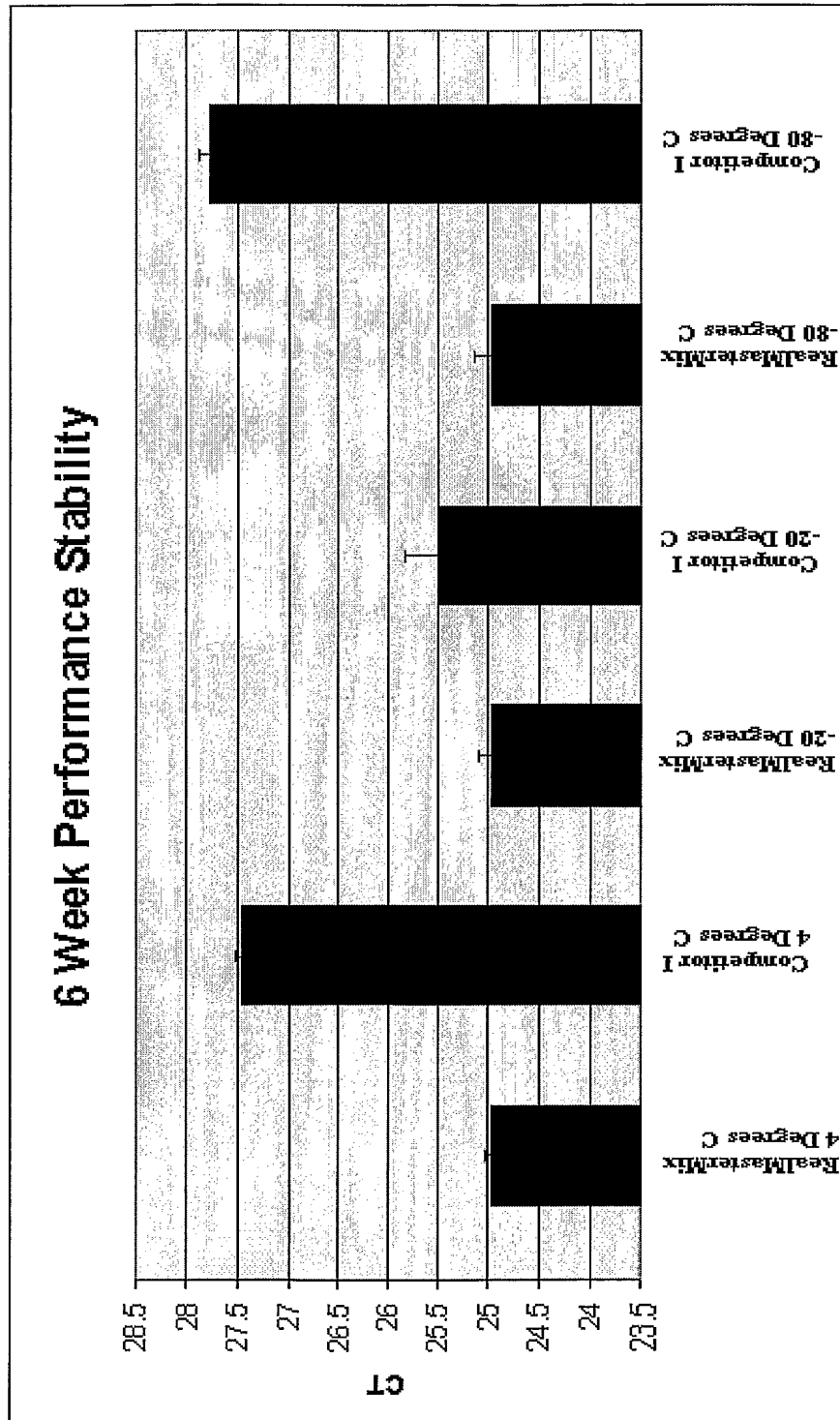


Fig. 8A

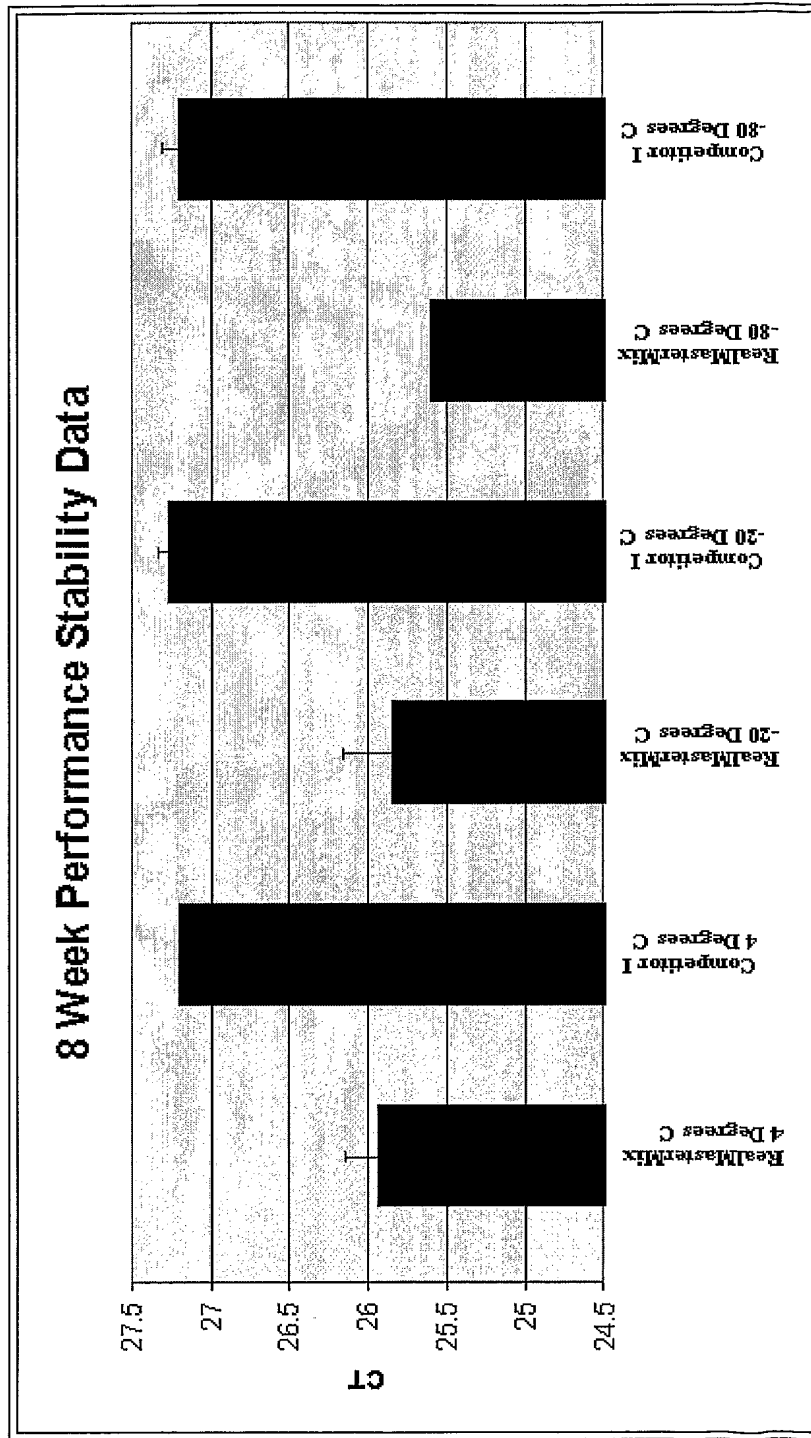
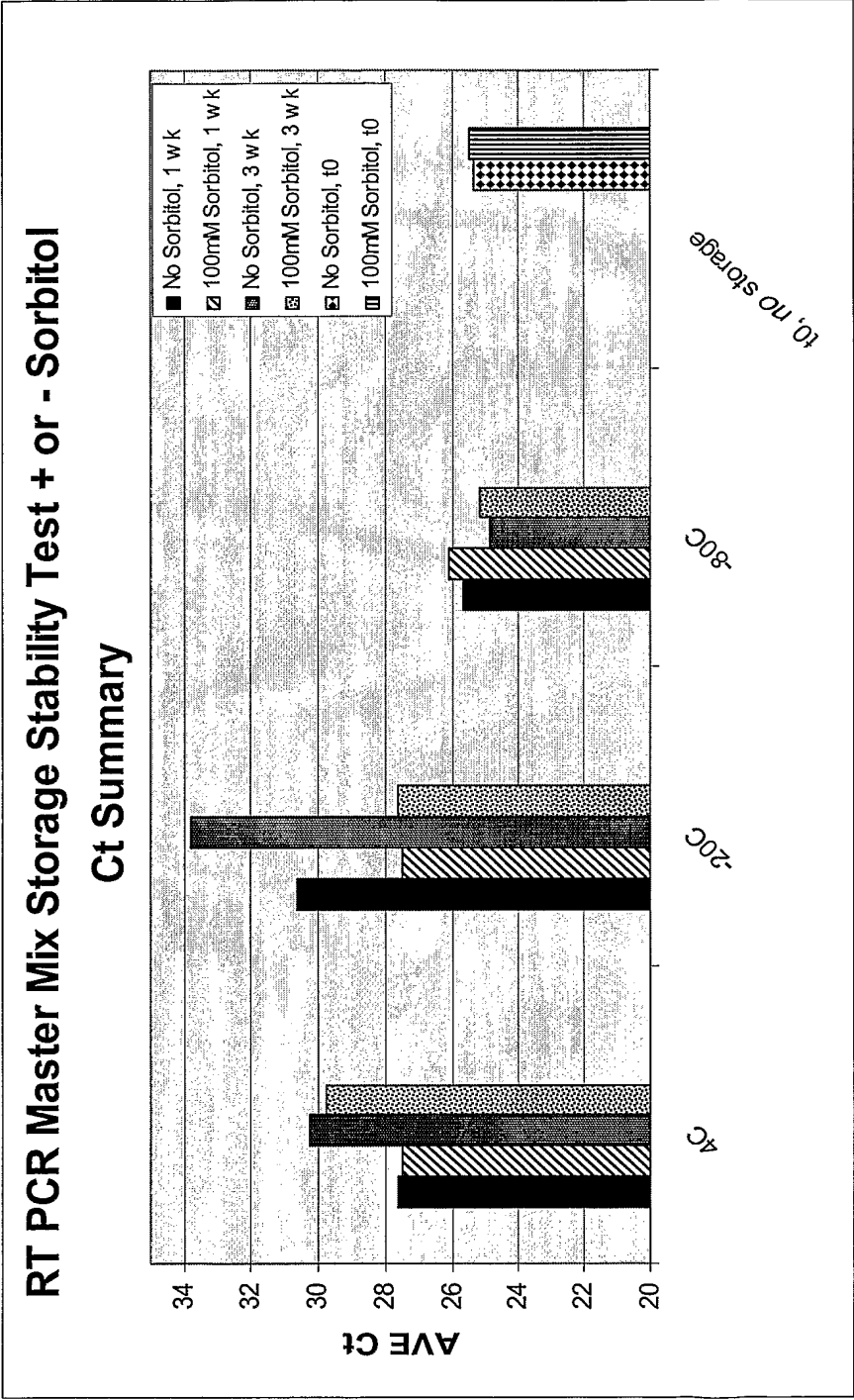
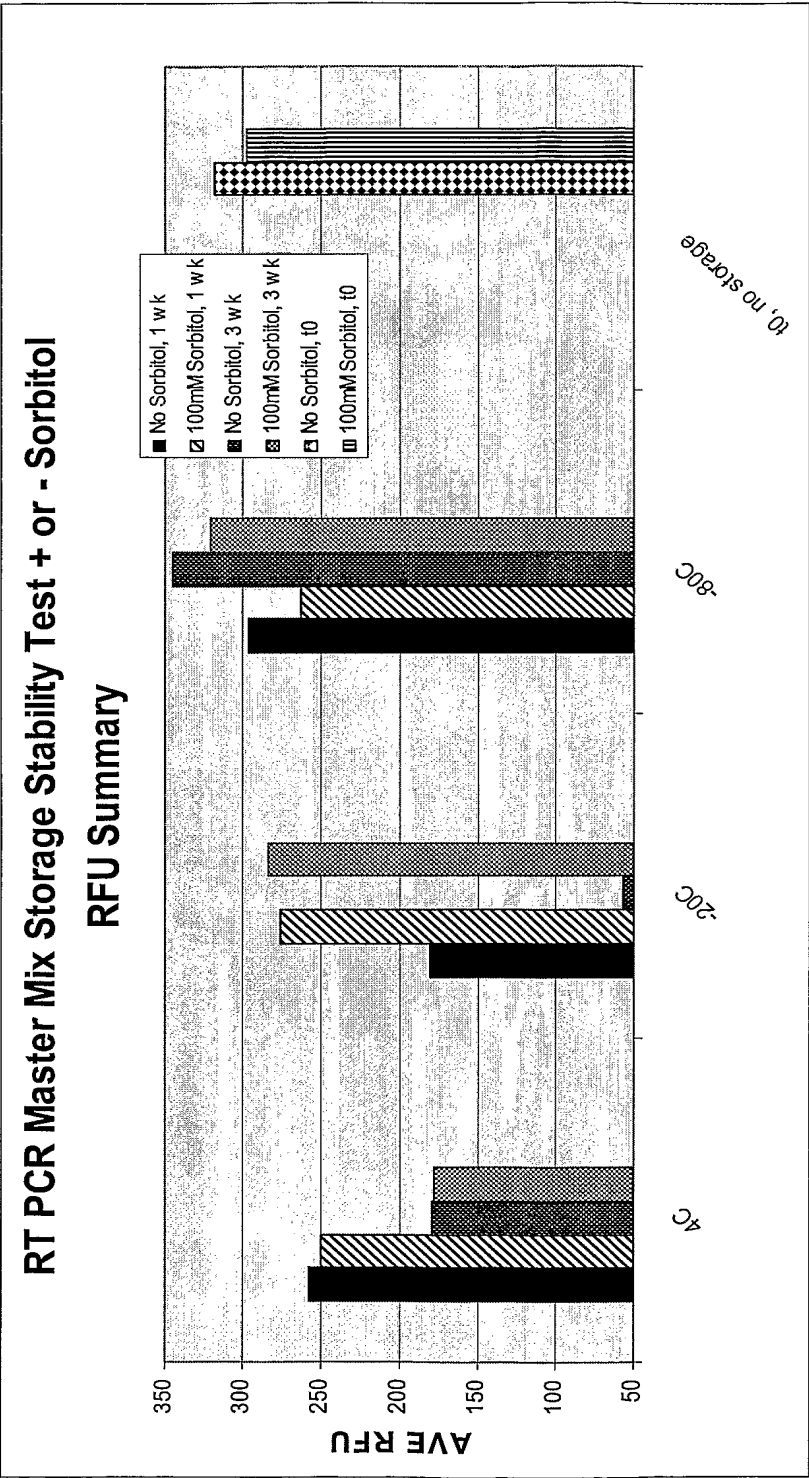


Fig. 8B



| Ct chart       | No Sorbitol, 1 wk | No Sorbitol, 3 wk | 100mM Sorbitol, 1 wk | 100mM Sorbitol, 3 wk | No Sorbitol, t0 | 100mM Sorbitol, t0 |
|----------------|-------------------|-------------------|----------------------|----------------------|-----------------|--------------------|
| 4C             | 27.65             | 30.3              | 27.5                 | 29.8                 |                 |                    |
| -20C           | 30.65             | 33.8              | 27.5                 | 27.6                 |                 |                    |
| -80C           | 25.7              | 24.9              | 26.15                | 25.2                 |                 |                    |
| t0, no storage |                   |                   |                      |                      | 25.35           | 25.5               |

Fig. 9A



| RFU chart      |  | No Sorbitol, 1 wk | No Sorbitol, 3 wk | 100mM Sorbitol, 1 wk | 100mM Sorbitol, 3 wk | No Sorbitol, t0 | 100mM Sorbitol, t0 |
|----------------|--|-------------------|-------------------|----------------------|----------------------|-----------------|--------------------|
| 4C             |  | 258.02            | 179.5             | 250.63               | 178.4                |                 |                    |
| -20C           |  | 180.635           | 56.0              | 275.8                | 282.7                |                 |                    |
| -80C           |  | 295.69            | 345.2             | 262.985              | 320.7                |                 |                    |
| t0, no storage |  |                   |                   |                      |                      | 318.405         | 297.95             |

Fig. 9B

RT PCR Master Mix Storage Stability Test + or - Sorbitol  
t0 vs t = 1 week, Product Yield Comparison

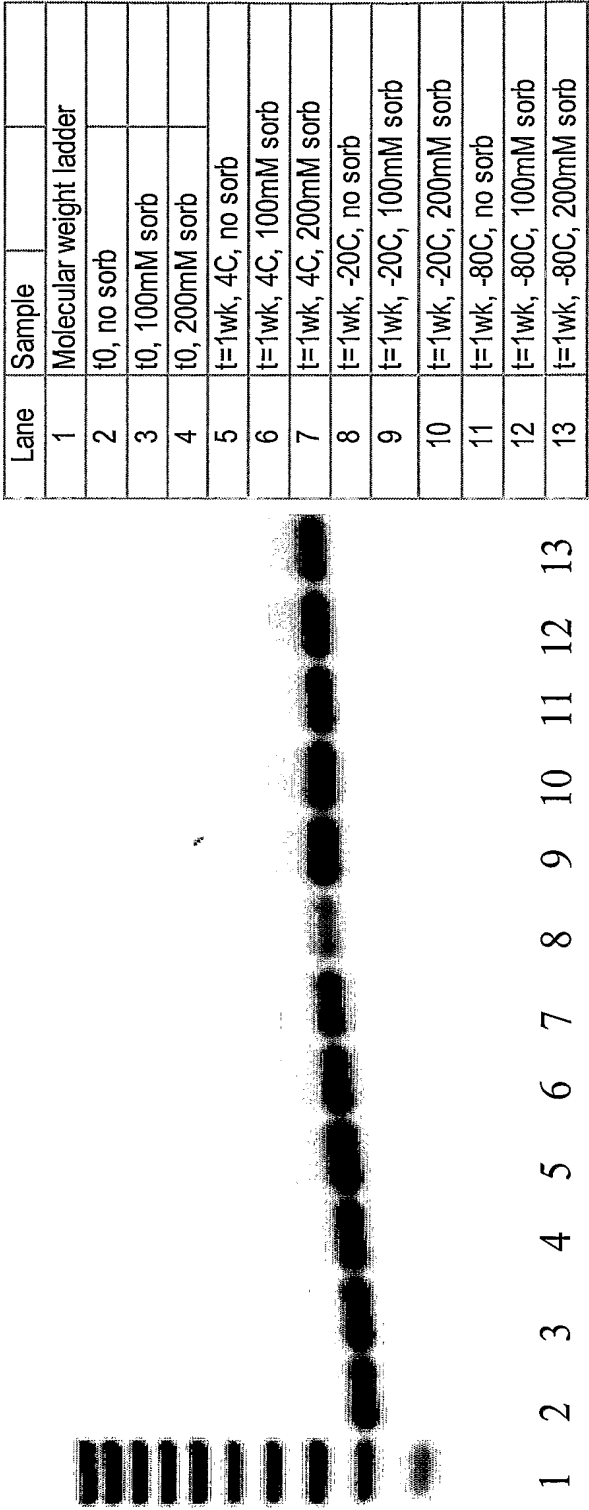


Fig. 10A

RT PCR Master Mix Storage Stability Test + or – Sorbitol  
t = 3 weeks, Product Yield Comparison

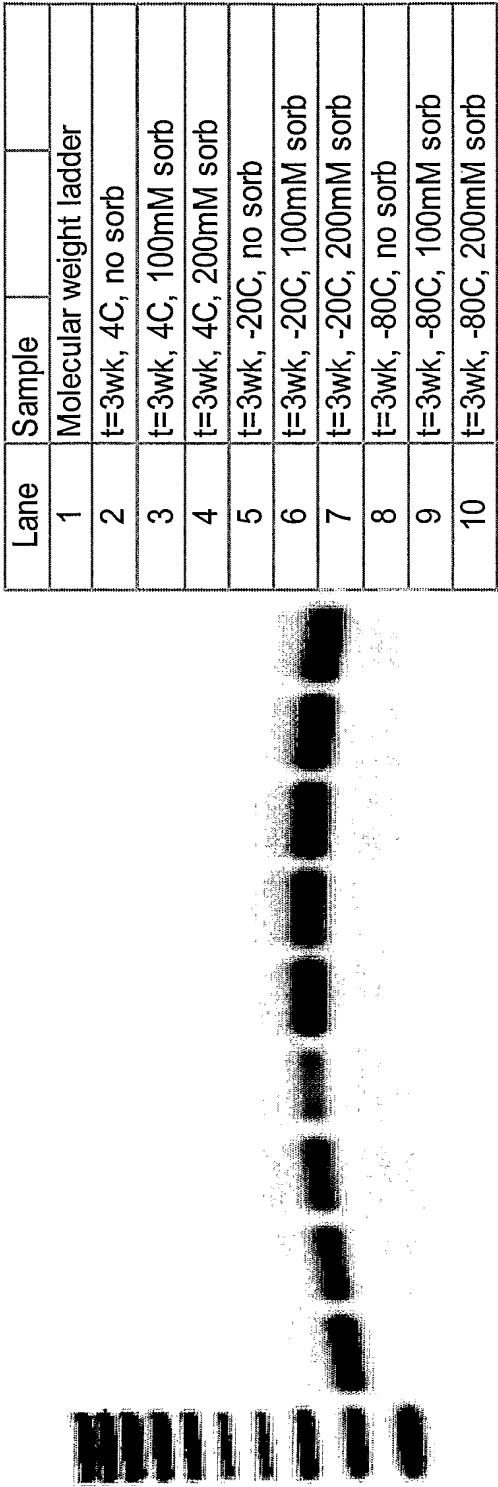


Fig. 10B

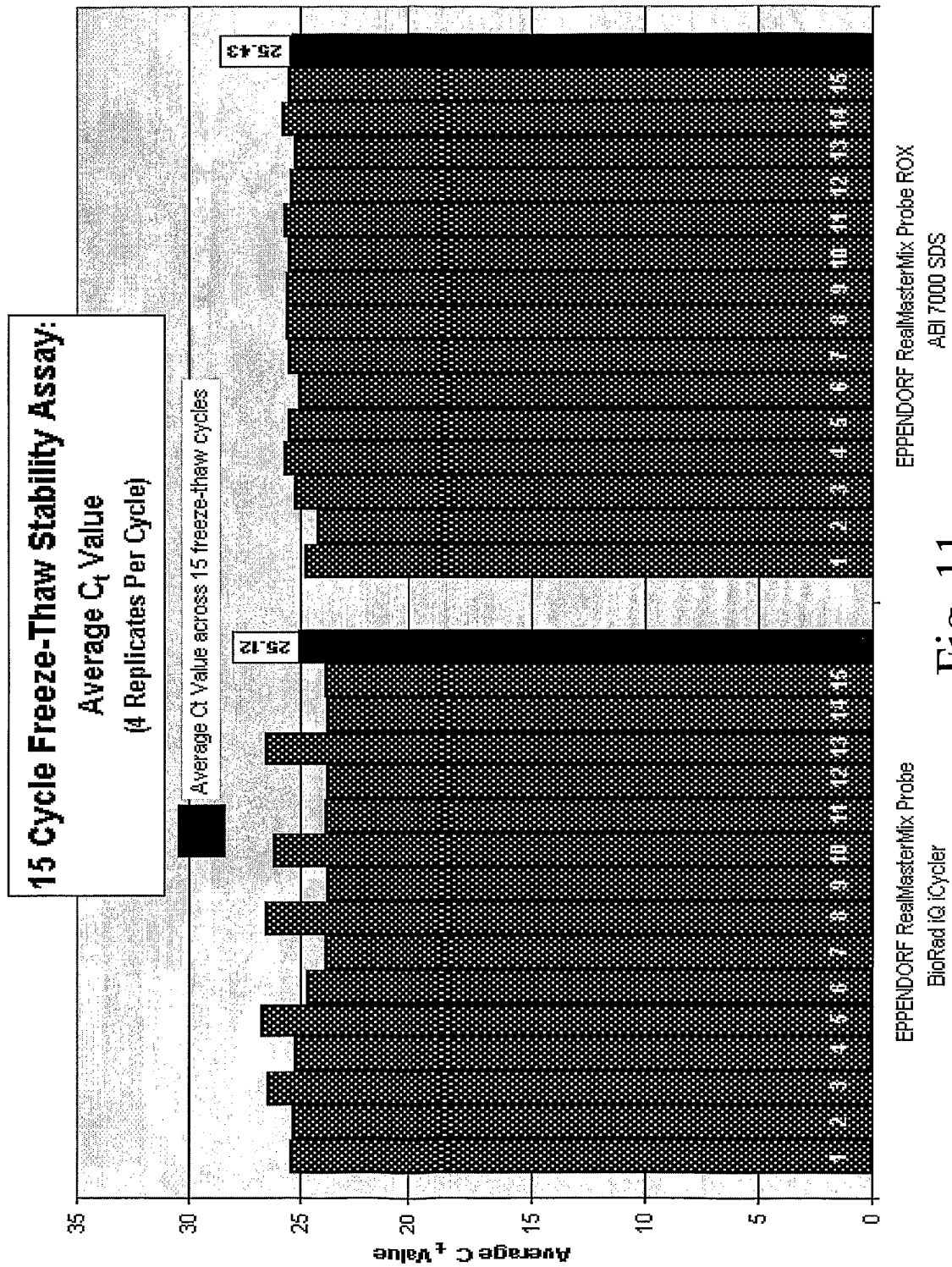


Fig. 11